

Appl. No.: 10/656,341
Response dated October 31, 2007
Reply to Office Action of May 31, 2007

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended): A terpene-free cleaning composition comprising:
 - (a) a C₁₋₄ alkyl ester of a C₆₋₂₂ saturated or unsaturated carboxylic fatty acid of the formula R₁COOR₂ wherein R₁ is an alkyl group containing from 5 to 21 carbon atoms and R₂ is a C₁₋₄ alkyl group; and
 - (b) a cyclic ketone, wherein (a) and (b) are employed at a ratio by weight of from about 10:1 to about 1:10 wherein the composition is free of nonionic surfactants.
2. (Currently amended): The composition of claim 1 wherein the C₁₋₄ alkyl ester of a C₆₋₂₂ saturated or unsaturated carboxylic fatty acid comprises a C₆₋₁₄ methyl ester.
3. (Currently amended): The composition of claim 1 wherein the C₁₋₄ alkyl ester of a C₆₋₂₂ saturated or unsaturated carboxylic fatty acid comprises a C₆₋₁₀ methyl ester.
4. (Currently amended): The composition of claim 1 wherein the cyclic ketone comprises cyclohexanone.
5. (Previously presented): The composition of claim 1 wherein (a) and (b) are employed at a ratio by weight of about 2:1.
6. (Cancelled)
7. (Previously presented): A process for removing a coating from a substrate

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comprising contacting the coating with the composition of claim 1.

8. (Previously presented): The process of claim 7 wherein the coating has a polymer matrix.

9. (Currently amended): A terpene-free cleaning composition comprising:

(a) from about 2 to about 12% by weight of an oil-soluble anionic surfactant;

(b) from about 0.2 to about 6% by weight of a water-soluble anionic surfactant;

(c) from about 3 to about 96% by weight of a primary solvent comprising a C₁₋₄ alkyl ester of a C₆₋₂₂ saturated or unsaturated carboxylic fatty acid of the formula R₁COOR₂ wherein R₁ is an alkyl group containing from 5 to 21 carbon atoms and R₂ is a C₁₋₄ alkyl group;

(d) from about 2 to about 14% by weight of a short-chain cosurfactant; and

(e) remainder, water, auxiliaries, and optionally a cyclic ketone, all weights being based on the total weight of the composition.

10. (Currently amended): The composition of claim 9 wherein the oil-soluble anionic surfactant comprises ~~members~~ a member selected from the group consisting of amine salts of dodecylbenzenesulfonic acid, calcium salts of dodecylbenzenesulfonic acid, phosphate esters and mixtures thereof.

11. (Previously presented): The composition of claim 9 wherein the oil-soluble anionic surfactant comprises an isopropylamine salt of dodecylbenzenesulfonic acid.

12. (Previously presented): The composition of claim 9 wherein the oil-soluble anionic surfactant is present in the composition in an amount of from about 6 to about 8% by

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weight, based on the weight of the composition.

13. (Previously presented): The composition of claim 9 wherein the water-soluble anionic surfactant comprises a member selected from the group consisting of alkali metal salts of fatty acids, organic base salts of fatty acids, alkyl sulfates, alkyl ether sulfates, alkyl aromatic sulfonates, alkyl sulfonates, alpha olefin sulfonates, sulfosuccinates, and mixtures thereof.

14. (Previously presented): The composition of claim 9 wherein the water-soluble anionic surfactant comprises C₈₋₁₄ fatty alcohol sulfate.

15. (Previously presented): The composition of claim 9 wherein the water-soluble anionic surfactant is present in the composition in an amount of from about 1 to about 2% by weight, based on the weight of the composition.

16. (Previously presented): The composition of claim 9 wherein the primary solvent comprises a C₈-C₁₀ methyl ester.

17. (Previously presented): The composition of claim 9 wherein the primary solvent is present in the composition in an amount of from about 40 to about 50% by weight, based on the weight of the composition.

18. (Previously presented): The composition of claim 9 wherein the short-chain cosurfactant is selected from the group consisting of C₃-C₆ alcohols, glycols, glycol ethers, pyrrolidones, glycol ether esters, and mixtures thereof.

19. (Previously presented): The composition of claim 9 wherein the short-chain cosurfactant comprises propylene glycol n-butyl ether.

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20. (Previously presented): The composition of claim 9 wherein the short-chain cosurfactant is present in the composition in an amount of from about 8 to about 10% by weight, based on the weight of the composition.
21. (Previously presented): The composition of claim 9 wherein the composition has a pH value of less than about 9.
22. (Previously presented): The composition of claim 9 wherein the composition has a thermal stability ranging from about 10 to about 70°C.
23. (Previously presented): The composition of claim 9 wherein the primary solvent and water are present in the composition in a ratio by weight ranging from about 50:1 to about 1:4.
24. (Previously presented): The composition of claim 9 wherein the primary solvent and water are present in the composition in a ratio by weight of about 1.5:1.
25. (Previously presented): The composition of claim 9 further comprising a cyclic ketone.
26. (Previously presented): The composition of claim 25 wherein the cyclic ketone is cyclohexanone.
27. (Previously presented): The composition of claim 25 wherein the cyclic ketone is present in the composition in an amount of from about 1 to about 35% by weight, based on the weight of the composition.
28. (Previously presented): The composition of claim 25 wherein the cyclic ketone is present in the composition in an amount of from about 10 to about 20% by weight,

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based on the weight of the composition.

29. (Previously presented): The composition of claim 25 wherein the primary solvent and cyclic ketone are present in the composition in a ratio by weight of from about 10:1 to about 1:10.

30. (Previously presented): The composition of claim 25 wherein the primary solvent and cyclic ketone are present in the composition in ratio by weight of about 2:1.

31. (Previously presented): The composition of claim 9 wherein the composition is free of nonionic surfactant.

32. (Previously presented): A terpene-free cleaning composition comprising:

(a) from about 6 to about 8% by weight of an isopropylamine salt of dodecylbenzenesulfonic acid.

(b) from about 1 to about 2% by weight of a C₁₂₋₁₄ fatty alcohol sulfate;

(c) from about 40 to about 50% by weight of a primary solvent comprising a C₈-C₁₀ methyl ester of the formula R₁COOCH₃ wherein R₁ is an alkyl group containing from 7-9 carbon atoms;

(d) from about 8 to about 10% by weight of a propylene glycol n-butyl ether and

(e) remainder, water, auxiliaries and optionally a cyclic ketone, all weights being based on the total weight of the composition, and wherein the primary solvent and water are present in the composition in a ratio by weight of about 1.5:1.

33. (Previously presented): The composition of claim 32 further comprising from about 1 to about 35% by weight of the cyclic ketone.

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34. (Previously presented): The composition of claim 33 wherein the cyclic ketone comprises cyclohexanone.

35. (Previously presented): The composition of claim 32 wherein the composition is free of nonionic surfactant.

36. (New): A terpene-free cleaning composition comprising:

- (a) a C₁₋₄ alkyl ester of a C₆₋₂₂ saturated or unsaturated fatty acid;
- (b) a cyclic ketone, wherein (a) and (b) are employed in a ratio by weight of from 10:1 to 1:10, and when applied to a hard surface accomplishes removal of aged paints, coatings and greases.